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10/01/2009 10:03 AM

To

Subject Restoration approach at Plainwell 2 TCRA

US EPA RECORDS CENTER REGION 5



Mike, et al:

As we discussed at our September stakeholder meeting, the removal of tree stumps from the waterline in the removal areas at the P2 TCRA is leaving an irregular shoreline that was not anticipated in the original restoration design. After reviewing these conditions with our design team, we have developed a revised approach to the placement of the coir log in the areas where stump removal has occurred.

The revised approach is illustrated on the attached figure. In areas where the water depth at the shoreline is shallow, less than 6 inches, and the coir log would be directly supported by the remaining bank slope, the coir log will be placed across the opening left by the stump removal. Stone will not be placed outboard of the coir log in these situations. In areas where the water depth exceeds 6 inches, the coir log will be wrapped around the ends of the opening and terminated. Stone will be placed as originally described in the design report.

The revised approach will be implemented in Removal Area 1 beginning next week. Thanks.

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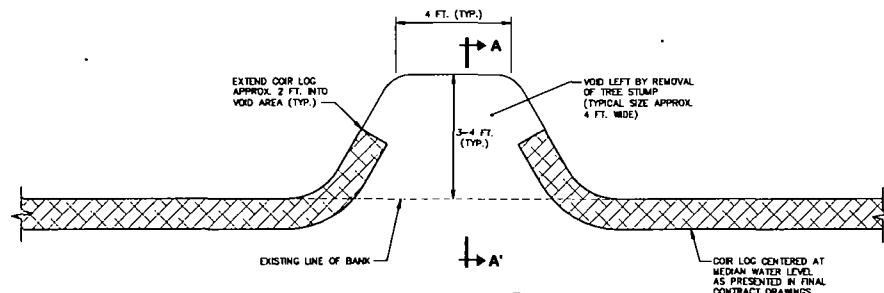
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ARCADIS, Imagine the result

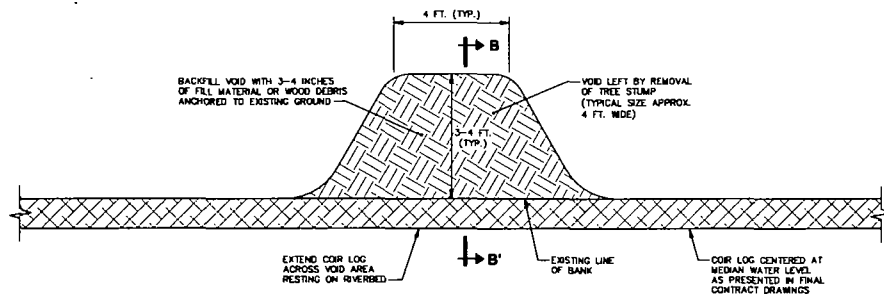
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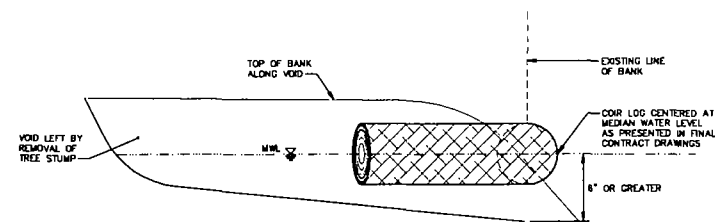
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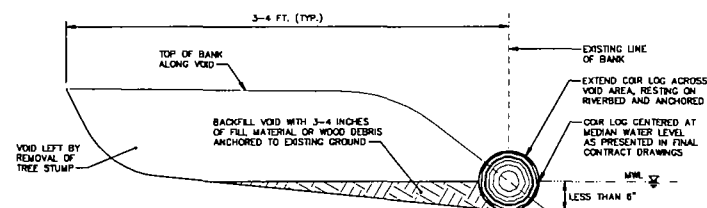
**OPTION 1 - MWL IS 6 INCHES OR GREATER ABOVE RIVERBED AT INDENT**



**OPTION 2 - MWL IS LESS THAN 6 INCHES ABOVE RIVERBED AT INDENT**



**SECTION A-A'**  
NOT TO SCALE



**SECTION B-B'**  
**NOT TO SCALE**

**DRAFT**

KALAMAZOO RIVER STUDY GROUP  
ALLIED PAPER, INC./PORTAGE CREEK/  
KALAMAZOO RIVER SUPERFUND SITE  
**PLAINWELL NO. 2 DAM AREA TCRA**

## BANK RESTORATION ALTERNATIVES IN AREAS WHERE TREE REMOVAL HAS LEFT VOIDS



FIGURE 1